

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

5 Listing of Claims:

Claim 1 (currently amended): A liquid crystal display panel comprising:

a first substrate;

a second substrate having an active region;

a sealant positioned on the second substrate and surrounding the active region for

10 adhering the second substrate to the first substrate;

a spacer wall positioned on the second substrate and between the sealant and the active region, the spacer wall having at least one liquid crystal injected opening and at least one spacer block positioned near the liquid crystal injected opening; and

15 a liquid crystal layer positioned between the first substrate, the second substrate, and the sealant;

wherein the spacer wall supports the first substrate and prevents the liquid crystal layer from being contaminated by the sealant, and the spacer block prevents the sealant from contaminating the liquid crystal layer.

20 Claim 2 (original): The liquid crystal display panel of claim 1 wherein the second substrate further comprises a peripheral region surrounding the active region and a thin film layer located on the peripheral region where both the sealant and the spacer wall are located.

25 Claim 3 (original): The liquid crystal display panel of claim 2 wherein the thin film layer is an anti-reflective layer.

Claim 4 (original): The liquid crystal display panel of claim 2 wherein the thin film layer is a first alignment layer.

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Claim 5 (original): The liquid crystal display panel of claim 4 further comprising:

a second alignment layer positioned on the first substrate and opposite to the first alignment layer, wherein the first alignment layer and the second alignment layer are both vertical alignment (VA) layers.

- 5 Claim 6 (currently amended): A liquid crystal display panel comprising:
a first substrate;
a second substrate having an active region, a peripheral region surrounding the active region, and a thin film layer located on the peripheral region;
a sealant positioned on the peripheral region of the second substrate and surrounding
10 the active region for adhering the second substrate to the first substrate;
a spacer wall positioned on the peripheral region of the second substrate and between the sealant and the active region; and
a liquid crystal layer positioned between the first substrate, the second substrate, and the sealant;
15 wherein the spacer wall supports the first substrate and prevents the liquid crystal layer from being contaminated by the sealant.

Claim 7 (original): The liquid crystal display panel of claim 6 wherein the thin film layer is an anti-reflective layer.

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Claim 8 (original): The liquid crystal display panel of claim 6 wherein the thin film layer is a first alignment layer.

Claim 9 (original): The liquid crystal display panel of claim 8 further comprising:
25 a second alignment layer positioned on the first substrate and opposite to the first alignment layer, wherein the first alignment layer and the second alignment layer are both vertical alignment layers.

Claim 10 (original): The liquid crystal display panel of claim 6 wherein the spacer
30 wall comprises at least one liquid crystal injected opening for allowing liquid crystal molecules to be injected into space between the first substrate and the second substrate.

Claims 11-14 (canceled)

Claim 15 (currently amended): A liquid crystal on silicon (LCOS) display panel
5 comprising:
a first substrate;
a second substrate having an active region;
a sealant positioned on the second substrate and surrounding the active region for
adhering the second substrate to the first substrate;
10 a spacer wall positioned on the second substrate and between the sealant and the
active region; and
a liquid crystal layer positioned between the first substrate, the second substrate, and
the sealant;
wherein the spacer wall supports the first substrate and prevents the liquid crystal
15 layer from being contaminated by the sealant.

Claim 16 (original): The liquid crystal on silicon display panel of claim 15 wherein
the second substrate further comprises a peripheral region surrounding the active
region and a thin film layer located on the peripheral region where both the sealant
20 and the spacer wall are located.

Claim 17 (original): The liquid crystal on silicon display panel of claim 16 wherein
the thin film layer is an anti-reflective layer.

25 Claim 18 (original): The liquid crystal on silicon display panel of claim 16 wherein
the thin film layer is a first alignment layer.

Claim 19 (original): The liquid crystal on silicon display panel of claim 18 further
comprising:
30 a second alignment layer positioned on the first substrate and opposite to the first
alignment layer. wherein the first alignment layer and the second alignment layer are
both vertical alignment layers.

Claim 20 (original): The liquid crystal on silicon display panel of claim 15 wherein the spacer wall comprises at least one liquid crystal injected opening for allowing liquid crystal molecules to be injected into space between the first substrate and the
5 second substrate.

Claim 21 (currently amended): The liquid crystal on silicon display panel of claim 20 wherein the spacer wall further comprises at least one spacer block positioned near the liquid crystal injected opening, and the spacer block prevents the sealant from
10 contaminating the liquid crystal layer.

Claim 22 (previously presented): The liquid crystal display panel of claim 1 wherein the spacer wall comprises inorganic materials or photoresist materials, such as silicon dioxide or silicon nitride.
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Claim 23 (previously presented): The liquid crystal display panel of claim 1 wherein the spacer block comprises inorganic materials or photoresist materials, such as silicon dioxide or silicon nitride.

20 Claim 24 (previously presented): The liquid crystal display panel of claim 1 wherein the spacer wall separates the liquid crystal layer from the sealant.

Claim 25 (previously presented): The liquid crystal display panel of claim 2 wherein a portion of the thin film layer is located on a portion of the active region and the thin
25 film layer obstructs light so that the peripheral region and the portion of the active region are kept in a dark state.

Claim 26 (previously presented): The liquid crystal display panel of claim 6 wherein the spacer wall comprises inorganic materials or photoresist materials, such as silicon
30 dioxide or silicon nitride.

Claim 27 (previously presented): The liquid crystal display panel of claim 6 wherein

the spacer wall separates the liquid crystal layer from the sealant.

Claim 28 (previously presented): The liquid crystal display panel of claim 6 wherein the thin film layer obstructs light so that the peripheral region is kept in a dark state.

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Claims 29-30 (canceled)

Claim 31 (previously presented): The liquid crystal on silicon display panel of claim 15 wherein the spacer wall comprises inorganic materials or photoresist materials, such as silicon dioxide or silicon nitride.

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Claim 32 (previously presented): The liquid crystal on silicon display panel of claim 15 wherein the spacer wall separates the liquid crystal layer from the sealant.

15 Claim 33 (previously presented): The liquid crystal on silicon display panel of claim 16 wherein the thin film layer obstructs light so that the peripheral region is kept in a dark state.

20 Claim 34 (previously presented): The liquid crystal on silicon display panel of claim 21 wherein the spacer block comprises inorganic materials or photoresist materials, such as silicon dioxide or silicon nitride.